

CPC**COOPERATIVE PATENT CLASSIFICATION****B43K**

IMPLEMENTS FOR WRITING OR DRAWING (containers, casings or accessories for cosmetic substances, e.g. shaving soap, lipstick, make-up [A45D 34/00](#), [A45D 40/00](#))

NOTE

In this subclass, the following expression is used with the meaning indicated:-"writing implements" covers pens, pencils, crayons, chalks or like markers for writing or drawing

B43K 1/00

Nibs (continuously adjustable nibs [B43K 17/00](#)); **Writing-points** (for indicating or recording apparatus [G01D 15/16](#))

B43K 1/003

- . {Capillary nibs}

B43K 1/006

- . {Porous nibs ([B43K 1/12](#) takes precedence)}

B43K 1/01

- . with ink reservoirs, e.g. funnel-shaped

B43K 1/015

- .. {Funnel-shaped reservoirs}

B43K 1/02

- . Split nibs

B43K 1/04

- .. with broadened tips

B43K 1/06

- . Tubular writing-points

B43K 1/08

- . with ball points; Balls or ball beds {([B43M 11/085](#) takes precedence)}

B43K 1/082

- .. {Balls}

B43K 1/084

- .. {Ball beds}

B43K 1/086

- .. {with resilient supporting means for the ball, e.g. springs}

B43K 1/088

- ... {with an intermediate element between the resilient supporting means and the ball}

B43K 1/10

- . Wire nibs

B43K 1/12

- . Writing-points comprising fibres; Felt pads

B43K 3/00

Nib holders (holders for continuously adjustable nibs [17/00](#))

B43K 3/005

- . {Nib pinchers}

B43K 3/02

- . with ink guards

B43K 3/04

- . with retractable nibs (mechanisms for retracting or locking nibs [B43K 24/00](#))

B43K 5/00

Pens with ink reservoirs in holders, e.g. fountain-pens (nibs or writing-points with ink reservoirs [B43K 1/01](#); ball-point pens [B43K 7/00](#); pens with writing-points other than nibs or balls [B43K 8/00](#); multiple-point writing implements [B43K 27/00](#))

- B43K 5/005 . {Pen barrels}
- B43K 5/02 . Ink reservoirs
- B43K 5/025 .. {with multiple colours}
- B43K 5/03 .. specially adapted for concentrated ink, e.g. solid ink
- B43K 5/04 .. flexible
- B43K 5/06 .. with movable pistons {for withdrawing ink from an ink-receptacle ([B43K 5/1818](#) takes precedence)}
- B43K 5/08 ... with ink-supplying valves {([B43K 5/145](#) takes precedence)}
- B43K 5/10 .. with reserve ink chambers
- B43K 5/12 .. with ink-level inspection means
- B43K 5/14 .. Exchangeable ink cartridges
- B43K 5/145 ... {with valves}
- B43K 5/16 . with retractable nibs (mechanisms for retracting or locking nibs [B43K 24/00](#))
- B43K 5/165 .. {with detachable means, e.g. caps, co-operating with the writing element}
- B43K 5/17 .. with closing means {([B43K 5/165](#) takes precedence)}
- B43K 5/18 . Arrangements for feeding the ink to the nibs
- B43K 5/1809 .. {Feed bars}
- B43K 5/1818 .. {Mechanical feeding means, e.g. valves; Pumps}
- B43K 5/1827 ... {Valves}
- B43K 5/1836 {automatically closing}
- B43K 5/1845 {opened by actuation of the writing point (nibs with ball points with resilient supporting means, e.g. acting as a valve [B43K 1/086](#))}
- B43K 5/1854 {mounted on ink-cartridges}
- B43K 5/1863 {opened by actuation of the rear-side of the pen}
- B43K 5/1872 {mounted on ink-cartridges}
- B43K 5/1881 {when the writing point points upwards}
- B43K 5/189 ... {Pumps}

B43K 7/00

Ball-point pens ({[B43M 11/085](#) takes precedence}; multiple-point writing implements [B43K 27/00](#))

- B43K 7/005 . { Pen barrels}
- B43K 7/01 . for low viscosity liquid ink
- B43K 7/02 . Ink reservoirs; Ink cartridges ([B43K 7/01](#) takes precedence)
- B43K 7/03 .. pressurised, e.g. by gas

- B43K 7/035 . . . the gas acting on a piston
- B43K 7/04 . . Arrangements for filling the reservoirs, e.g. arrangements at the ball-point ends
- B43K 7/06 . . Reservoirs with ink-level inspection means
- B43K 7/08 . . Preventing leakage

- B43K 7/10 . Arrangements for feeding ink to the ball points ([B43K 7/01](#) takes precedence)
- B43K 7/105 . . {Feed bars}

- B43K 7/12 . with retractable ball points ([mechanisms for retracting or locking ball points B43K 24/00](#))

- B43K 8/00** **Pens with writing-points other than nibs or balls** ([brushes with reservoir for supplying substances A46B 11/00](#))

- B43K 8/003 . N: Pen barrels]

- B43K 8/006 . {using a spraying system, e.g. airbrushes}

- B43K 8/02 . with writing-points comprising fibres, felt, or similar porous or capillary material ([B43K 8/22](#) takes precedence)
- B43K 8/022 . . {with writing-points comprising fibres}
- B43K 8/024 . . {with writing-points comprising felt}
- B43K 8/026 . . {with writing-points comprising capillary material}
- B43K 8/028 . . { Movable closure or gate}
- B43K 8/03 . . Ink reservoirs; Ink cartridges
- B43K 8/04 . . Arrangements for feeding ink to writing-points
- B43K 8/06 . . . Wick feed from within reservoir to writing-points
- B43K 8/08 Wick separate from writing-points
- B43K 8/10 . . . including compartment for soluble solid material
- B43K 8/12 . . . writing-points or writing-point units being separable from reservoir

- B43K 8/14 . with coreless tubular writing-points
- B43K 8/143 . . {Arrangements for feeding the ink to the writing-points}
- B43K 8/146 . . {Ink cartridges, ink reservoirs}

- B43K 8/16 . with tubular writing-points comprising a movable cleaning element
- B43K 8/165 . . {Ink cartridges, ink reservoirs}
- B43K 8/18 . . Arrangements for feeding the ink to the writing-points

- B43K 8/20 . with roller writing-points

- B43K 8/22 . with electrically or magnetically activated writing-points

- B43K 8/24 . characterised by the means for retracting writing-points

- B43K 11/00** **Filling devices** ([ink receptacles B43L 25/00](#))

- B43K 11/005 . {for refilling capillary reservoirs}
- B43K 13/00** **Devices for removing nibs; Devices for cleaning nibs, e.g. by wiping** (ink receptacles with pen-wiping means [B43L 25/12](#))
- B43K 13/005 . {for extracting nibs}
- B43K 13/02 . for cleaning nibs, e.g. ink reservoirs therein
- B43K 15/00** **Assembling, finishing, or repairing pens**
- B43K 15/02 . Automatic machines
- B43K 17/00** **Continuously-adjustable nibs, e.g. for drawing-pens; Holders therefor** (features common to fountain pens [B43K 5/00](#))
- B43K 17/005 . {continuously-adjustable nibs}
- B43K 17/01 . Nibs with ink reservoirs
- B43K 17/02 . Nibs having more than two legs
- B43K 17/04 . Holders with arrangements for drawing dotted lines
- B43K 19/00** **Non-propelling pencils; Styles; Crayons; Chalks** (batik pencils, cord-line chalkers [B44D 3/00](#); writing-core compositions for pencils, crayon compositions, chalk compositions [C09D 13/00](#))
- B43K 19/003 . {Chalks}
- B43K 19/006 . {with single short leads}
- B43K 19/02 . Pencils with graphite; Coloured pencils
- B43K 19/04 . Pencils with metallic writing-core
- B43K 19/06 . . the writing-core being made from substance wearing off during use
- B43K 19/08 . . the writing-core being made from wear-resistant substances
- B43K 19/10 . . . equipped with ball-point (using ink [B43K 1/08](#), [B43K 7/00](#))
- B43K 19/12 . Slate pencils
- B43K 19/14 . Sheathings
- B43K 19/145 . . {with paper sheaths}
- B43K 19/16 . Making non-propelling pencils (making slate-pencil writing-cores [B28D](#))
- B43K 19/18 . . Making pencil writing-cores

- B43K 21/00** **Propelling pencils** (projecting mechanisms for writing units [B43K 24/00](#); multiple-point writing implements [B43K 27/00](#))
- B43K 21/003 . {with lead sections or lead cartridges}
 - B43K 21/006 . {Pencil-barrels}
 - B43K 21/02 . Writing-core feeding mechanisms
 - B43K 21/027 . . with sliding tubelike writing-core guide
 - B43K 21/033 . . . with automatic feed by pressure during use of pencil
 - B43K 21/04 . . with the writing-cores brought into position by gravity
 - B43K 21/045 . . . {with writing-cores automatically replaced from magazines}
 - B43K 21/06 . . with the writing-cores fed by means sliding in longitudinally-slotted casings
 - B43K 21/08 . . with the writing-cores fed by screws
 - B43K 21/085 . . . {with a threaded propelling shank}
 - B43K 21/10 . . . with separate writing-core remnants ejecting-bar
 - B43K 21/12 . . . with means preventing over-winding
 - B43K 21/14 . . . with writing-cores automatically replaced from magazines
 - B43K 21/16 . . with stepwise feed of writing-cores
 - B43K 21/18 . . . having ratchet means
 - B43K 21/20 . . . with writing-cores automatically replaced from magazines
 - B43K 21/22 . . Writing-core gripping means, e.g. chucks
 - B43K 21/24 . Assembling, finishing, or repairing propelling pencils ([making pencil writing-cores B43K 19/18](#))
 - B43K 21/26 . . Automatic machines
- B43K 23/00** **Holders or connectors for writing implements; Means for protecting the writing-points** ({[B43K 27/003](#) takes precedence})
- B43K 23/001 . {Supporting means (bracelets with means for attaching a writing instrument or a memo pad [A44C 5/0046](#))}
 - B43K 23/002 . . {with a fixed base}
 - B43K 23/004 . Holders specially adapted for assisting handicapped or disabled persons to write ([B43L 15/00](#) takes precedence)
 - B43K 23/008 . Holders comprising finger grips ([B43K 23/004](#), [B43K 23/012](#) take precedence)
 - B43K 23/012 . Holders for attachment to finger tips ([B43K 23/004](#) takes precedence)
 - B43K 23/016 . Holders for crayons or chalks ([B43K 23/004](#) to [B43K 23/012](#), [B43K 23/02](#) take precedence)
 - B43K 23/02 . with means for preventing rolling ([B43K 23/004](#) to [B43K 23/012](#) take precedence)
 - B43K 23/04 . . enabling the writing implement to be set upright

- B43K 23/06 . Means for connecting two or more writing implements
- B43K 23/08 . Protecting means, e.g. caps
- B43K 23/10 . . for pencils
- B43K 23/12 . . for pens {(caps co-operating with retractable nibs [B43K 5/165](#))}
- B43K 23/122 . . . {with means for preventing choking}
- B43K 23/124 {comprising an air passage}
- B43K 23/126 . . . {with clips}
- B43K 23/128 . . . {with spring means}

B43K 24/00 Mechanisms for selecting, projecting, retracting or locking writing units

- B43K 24/02 . for locking a single writing unit in only fully projected or retracted positions
- B43K 24/023 . . {with a deformable barrel}
- B43K 24/026 . . {with a sleeve sliding on the forward end of the lead}
- B43K 24/03 . . operated by flicking or tilting
- B43K 24/04 . . operated by means sliding in longitudinally-slotted casings
- B43K 24/06 . . operated by turning means
- B43K 24/08 . . operated by push-buttons
- B43K 24/082 . . . {placed on the side}
- B43K 24/084 . . . {with saw-like or analogous cams}
- B43K 24/086 . . . {with heart-shaped cams, balls}
- B43K 24/088 . . . {with spreading spring means}
- B43K 24/10 . for selecting, projecting and locking several writing units
- B43K 24/12 . . operating by means sliding in longitudinally-slotted casings
- B43K 24/14 . . operated by turning means
- B43K 24/143 . . . {with two-way threads}
- B43K 24/146 . . . {with cam control}
- B43K 24/16 . . operated by push-buttons
- B43K 24/163 . . . {with one push-button for each writing unit}
- B43K 24/166 . . . {selection by gravity with a pendulum or the like}
- B43K 24/18 . . and for feeding the writing-cores
- B43K 24/183 . . . {with push-buttons}
- B43K 24/186 . . . {with a revolving barrel}

B43K 25/00 Attaching writing implements to wearing apparel or objects involving constructional changes of the implements (protecting means, e.g. caps [B43K 23/08](#); garment-holding devices [A44B 21/00](#); fastening articles to wearing apparel [A45F 5/02](#))

- B43K 25/02 . Clips
- B43K 25/022 . . {attached to a pen cap}
- B43K 25/024 . . {detachably secured to the writing tool}

B43K 25/026	. . {combined with other objects}
B43K 25/028	. . {combined with means for propelling, projecting or retracting the writing unit}
B43K 27/00	Multiple-point writing implements, e.g. multicolour; Combinations of writing implements (B43K 29/00 takes precedence; mechanisms for selecting, projecting, retracting or locking writing units B43K 24/00 ; multiple writing devices with pantographic linkages B43L 13/12)
B43K 27/003	. {only one holder being used either for the pencil or the pen}
B43K 27/006	. { Pen or pencil barrels}
B43K 27/02	. Combinations of pens and pencils
B43K 27/04	. Combinations of pencils (writing-core feed mechanisms B43K 21/02)
B43K 27/08	. Combinations of pens
B43K 27/12	. . of ball-point pens
B43K 29/00	Combinations of writing implements with other articles
B43K 29/001	. {with compasses}
B43K 29/002	. {with chance games, e.g. dices, lottery numbers}
B43K 29/003	. {with optical equipment, e.g. magnifier, viewer}
B43K 29/004	. {with more than one object}
B43K 29/005	. {with sound or noise making devices, e.g. radio, alarm}
B43K 29/007	. with advertising means
B43K 29/013	. with stamping means
B43K 29/02	. with rubbers
B43K 29/04	. with blotters
B43K 29/05	. with applicators for eradicating- or correcting-liquid
B43K 29/06	. with sharpening devices (with erasing knives B43K 29/18 ; pocket knives with pencils B26B)
B43K 29/08	. with measuring, computing or indicating devices
B43K 29/087	. . for indicating time, e.g. with calendars or watches
B43K 29/0875	. . . {with calendars}
B43K 29/093	. . with calculators

- B43K 29/10 . with illuminating devices
- B43K 29/12 . with memorandum appliances (with book covers [B42D](#))
- B43K 29/16 . with lighters
- B43K 29/18 . with hand tools, e.g. erasing knives (with pocket knives [B26B](#))
- B43K 29/185 . . {with cheque protectors}
- B43K 29/20 . with other articles having storage compartments (with lighters [B43K 29/16](#); writing implements functioning as, or combined with, writing implement receptacles [B43K 31/00](#))
- B43K 31/00** **Writing implement receptacles functioning as, or combined with, writing implements** (other writing implement receptacles [A45C 11/34](#), [A45C 11/36](#))
- B43K 31/005 . {Distributors for leads, cartridges and the like}